

 PID No.
 : MED111017300
 Register On
 : 12/03/2022 9:41 AM

 SID No.
 : 922015909
 Collection On
 : 12/03/2022 10:26 AM

 Age / Sex
 : 34 Year(s) / Male
 Report On
 : 15/03/2022 12:13 PM



Type : OP

Printed On : 16/03/2022 7:27 PM

Ref. Dr : MediWheel

Investigation	Observed Value	<u>Unit</u>	Biological Reference Interval
HAEMATOLOGY			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	18.0	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood/Derived from Impedance)	54.1	%	42 - 52
RBC Count (EDTA Blood/Impedance Variation)	6.37	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood/Derived from Impedance)	85.0	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood/Derived from Impedance)	29.0	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood/Derived from Impedance)	34.2	g/dL	32 - 36
RDW-CV (EDTA Blood/Derived from Impedance)	13.6	%	11.5 - 16.0
RDW-SD (EDTA Blood/Derived from Impedance)	40.46	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood/Impedance Variation)	7300	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood/Impedance Variation & Flow Cytometry)	55.9	%	40 - 75
Lymphocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	34.4	%	20 - 45
Eosinophils (EDTA Blood/Impedance Variation & Flow Cytometry)	1.8	%	01 - 06



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Monocytes (EDTA Blood/Impedance Variation & Flow Cytometry)	7.6	%	01 - 10
Basophils (EDTA Blood/Impedance Variation & Flow Cytometry)	0.3	%	00 - 02
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	4.08	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	2.51	10^3 / μ1	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.13	10^3 / μ1	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.55	10^3 / μ1	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.02	10^3 / μl	< 0.2
Platelet Count (EDTA Blood/Impedance Variation)	237	10^3 / μl	150 - 450
MPV (EDTA Blood/Derived from Impedance)	9.0	fL	7.9 - 13.7
PCT (EDTA Blood/Automated Blood cell Counter)	0.21	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (EDTA Blood/Modified Westergren)	3	mm/hr	< 15



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BIOCHEMISTRY			
Liver Function Test			
Bilirubin(Total) (Serum/Diazotized Sulfanilic Acid)	1.1	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.3	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.8	mg/dL	0.1 - 1.0
Total Protein (Serum/Biuret)	7.7	gm/dL	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.9	gm/dL	3.5 - 5.2
Globulin (Serum/Derived)	2.8	gm/dL	2.3 - 3.6
A : G Ratio (Serum/Derived)	1.8		1.1 - 2.2
SGOT/AST (Aspartate Aminotransferase) (Serum/IFCC Kinetic)	49	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/IFCC / Kinetic)	121	U/L	5 - 41
Alkaline Phosphatase (SAP) (Serum/IFCC Kinetic)	82	U/L	53 - 128
GGT(Gamma Glutamyl Transpeptidase) (Serum/SZASZ standarised IFCC)	78	U/L	< 55





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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> Reference Interval
<u>Lipid Profile</u>			
Cholesterol Total (Serum/Cholesterol oxidase/Peroxidase)	219	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/Glycerol phosphate oxidase / peroxidase)	193	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >= 500

INTERPRETATION: The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence recommending triglycerides estimation in non-fasting condition for evaluating the risk of heart disease and screening for metabolic syndrome, as non-fasting sample is more representative of the "usual" circulating level of triglycerides during most part of the day.

HDL Cholesterol (Serum/Immunoinhibition)	39	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	141.4	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	38.6	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	180.0	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220

INTERPRETATION: 1. Non-HDL Cholesterol is now proven to be a better cardiovascular risk marker than LDL Cholesterol. 2. It is the sum of all potentially atherogenic proteins including LDL, IDL, VLDL and chylomicrons and it is the "new bad cholesterol" and is a co-primary target for cholesterol lowering therapy.





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Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	5.6		Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	4.9		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	3.6		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0





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Investigation	Observed Value	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Glycosylated Haemoglobin (HbA1c)			
HbA1C (Whole Blood/HPLC)	6.2	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5

INTERPRETATION: If Diabetes - Good control: 6.1 - 7.0 %, Fair control: 7.1 - 8.0 %, Poor control >= 8.1 %

Estimated Average Glucose 131.24 mg/dL

(Whole Blood)

INTERPRETATION: Comments

HbA1c provides an index of Average Blood Glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency,

hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbA1C values. Conditions that shorten RBC survival like acute or chronic blood loss, hemolytic anemia, Hemoglobinopathies, Splenomegaly, Vitamin E ingestion, Pregnancy, End stage Renal disease can cause falsely low HbA1c.





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Investigation	<u>Observed</u>	<u>Unit</u>	<u>Biological</u>
	Value		Reference Interval

IMMUNOASSAY

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 1.28 ng/mL 0.7 - 2.04

(Serum/CMIA)

INTERPRETATION:

Comment:

Total T3 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T3 is recommended as it is Metabolically active.

T4 (Thyroxine) - Total 11.22 μg/dL 4.2 - 12.0

(Serum/CMIA)

INTERPRETATION:

Comment:

Total T4 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T4 is recommended as it is Metabolically active.

TSH (Thyroid Stimulating Hormone) 1.85 µIU/mL 0.35 - 5.50

(Serum/Chemiluminescent Microparticle

Immunoassay(CMIA))

INTERPRETATION:

Reference range for cord blood - upto 20

1 st trimester: 0.1-2.5 2 nd trimester 0.2-3.0 3 rd trimester: 0.3-3.0

(Indian Thyroid Society Guidelines)

Comment:

- 1.TSH reference range during pregnancy depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and BMI.
- 2.TSH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10PM. The variation can be of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations.
- 3. Values&lt 0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.



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CLINICAL PATHOLOGY

PHYSICAL EXAMINATION

THE STORES ENGINEERING			
Colour (Urine)	Pale Yellow		
Appearance (Urine)	Clear		Clear
Volume (Urine)	20	mL	
<u>CHEMICAL EXAMINATION(Automated-Urineanalyser)</u>			
pH (Urine/AUTOMATED URINANALYSER)	5.0		4.5 - 8.0
Specific Gravity (Urine)	1.020		1.002 - 1.035
Ketones (Urine)	Negative		Negative
Urobilinogen	0.2		0.2 - 1.0

(Urine/AUTOMATED URINANALYSER)

Blood Negative Negative

(Urine/AUTOMATED URINANALYSER)

Nitrite Negative Negative

(Urine/AUTOMATED URINANALYSER)

Negative Negative Bilirubin

(Urine/AUTOMATED URINANALYSER)

Negative Negative Protein

(Urine)

Negative Negative Glucose

(Urine)





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Leukocytes (Urine) MICROSCOPY(URINE DEPOSITS)	Negative	leuco/uL	Negative
Pus Cells (Urine/Flow cytometry)	3-4	/hpf	3-5
Epithelial Cells (Urine)	2-3	/hpf	1-2
RBCs (Urine/Flow cytometry)	Nil	/hpf	2-3
Others (Urine)	Nil		Nil
Casts (Urine/Flow cytometry)	Nil	/hpf	0 - 1
Crystals (Urine)	Nil		NIL





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Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
BIOCHEMISTRY			
BUN / Creatinine Ratio	8		6 - 22
Glucose Fasting (FBS) (Plasma - F/GOD - POD)	87	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125 Diabetic: >= 126

INTERPRETATION: Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level.

Glucose Fasting - Urine	Negative		Negative
(Urine - F)			
Glucose Postprandial (PPBS)	136	mg/dL	70 - 140
(Plasma - PP/GOD - POD)			

INTERPRETATION:

Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level. Fasting blood glucose level may be higher than Postprandial glucose, because of physiological surge in Postprandial Insulin secretion, Insulin resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti- diabetic medication during treatment for Diabetes.

Glucose Postprandial - Urine (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease-GLDH)	8	mg/dL	7.0 - 21
Creatinine (Serum/Jaffe Kinetic)	1.0	mg/dL	0.9 - 1.3

INTERPRETATION: Elevated Creatinine values are encountered in increased muscle mass, severe dehydration, Pre-eclampsia, increased ingestion of cooked meat, consuming Protein/ Creatine supplements, Diabetic Ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin, cefazolin, ACE inhibitors, angiotensin II receptor antagonists, N-acetylcyteine, chemotherapeutic agent such as flucytosine etc.

Uric Acid 7.7 mg/dL 3.5 - 7.2 (Serum/*Uricase/Peroxidase*)





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InvestigationObservedUnitBiologicalValueReference Interval

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING 'A' 'Positive'

 $(\hbox{EDTA Blood} Agglutination)$



VERIFIED BY



APPROVED BY

-- End of Report --



Name	MR.RAMESH BHOOKYA	ID	MED111017300
Age & Gender	34Y/MALE	Visit Date	12/03/2022
Ref Doctor	MediWheel		12/00/2022

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size and has uniform echopattern. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER show normal shape and has clear contents.
Gall bladder wall is of normal thickness. CBD is of normal calibre.

PANCREAS has normal shape, size and uniform echopattern. No evidence of ductal dilatation or calcification.

SPLEEN show normal shape, size and echopattern.

No demonstrable Para -aortic lymphadenopathy.

KIDNEYS move well with respiration and have normal shape, size and echopattern. Cortico- medullary differentiations are well madeout. Left kidney shows a calculus measuring 2.5mm in the lower pole. No evidence of hydronephrosis.

The kidney measures as follows

nal thickness (cms)	Bipolar length (cms)	
1.5	9.8	Right Kidney
1.6	10.5	Left Kidney
_	10.3	

URINARY BLADDER show normal shape and wall thickness. It has clear contents. No evidence of diverticula.

PROSTATE shows normal shape, size (wt-17.1gms) and echopattern.

No evidence of ascites.

Impression: Left renal calculus.

CONSULTANT RADIOLOGISTS:

DR. H. K. ANAND

DR. PRAJNA SHENOV

DR. MAHESH. M. S

DR. RADHA KRISHNA. A.

DR. HIMA BINDU.P Ps/so ...



Name	RAMESH BHOOKYA	Customer ID	MED111017300
Age & Gender	34Y/M	Visit Date	Mar 12 2022 9:39AM
Ref Doctor	MediWheel		

X - RÁY CHEST PA VIEW

Bilateral lung fields appear normal.

Cardiac size is within normal limits.

Bilateral hilar regions appear normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

Impression: Essentially normal study.

DR. H.K. ANAND

DR. POOJA B.P

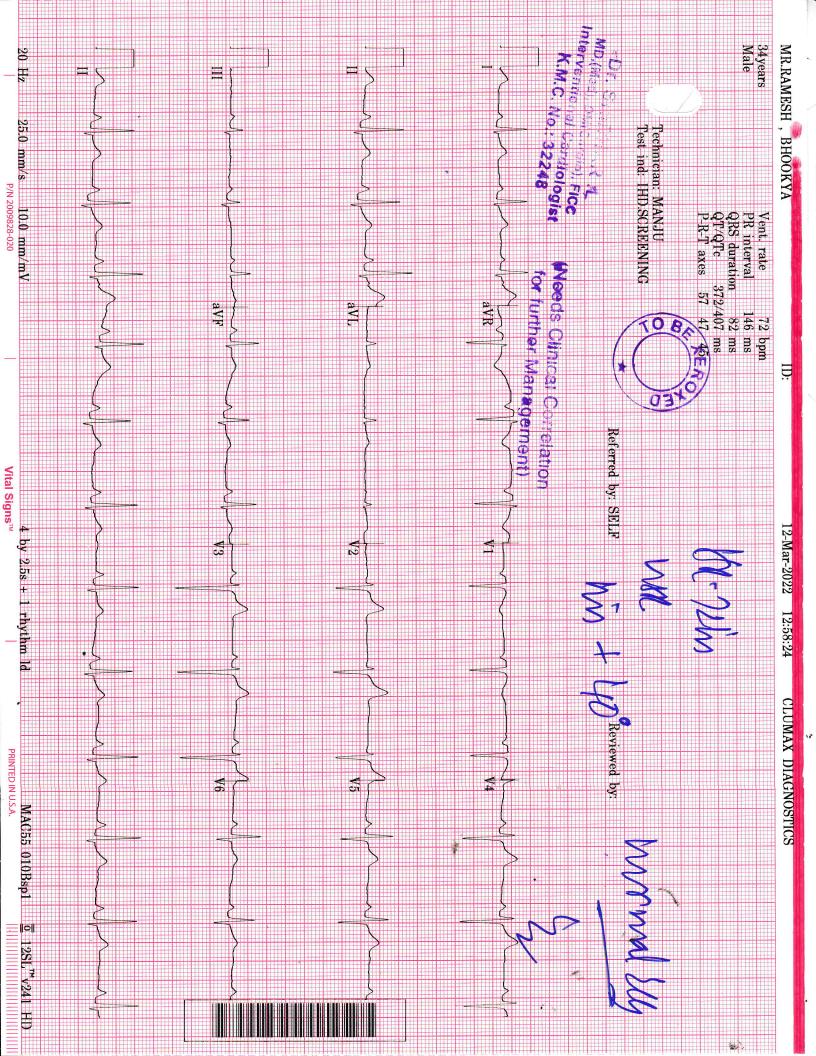
DR. SHWETHAS

CONSULTANT RADIOLOGISTS

DR. PRAJNA SHENOY



	Technician: MANJU		RECOVERY				EXERCISE	PRETEST	Phase Name	MK.RAMESH , I ID: MED 12-Mar-2022 13:02:38
P/N 2009828-020			Post	· STAGE 4	STAGE 3	STAGE 2	STAGE 1	SUPINE	Stage Name	BHOOKYA 34 years Referred by: C/O MEDIWHEEL Test ind: IHD SCREENING
CHUMAX DIAGNOSTICS	TWAY DIACUOCTION		6:21	0:20	3:00	3:00	3:00	2:05	Time in Stage	EEL Male
Vital Signs™			* * *	4.2	Ç.3 14	2.5		1.0	Speed (mph)	TABULAR SUMMARY BRUCE Max HR: Max BP: Reason for Comments NO SIGN NO ANGI IMP:STRI ## NEED ***
igns™	п		. * . *	16.0	14.0	12.0	10.0	0.0	Grade	BRUCE BRUCE Max HR: 153bpm 8 Max BP: 180/90 Reason for Termina Comments: GOOD NO SIGNIFICANT S NO ANGINA/ARRH IMP:STRESS TEST ## NEEDS CLINICA *** DR.SRIDH
	Unconfirmed	MD inter	1.0	10.6	10.1	7.0	4.6		WorkLoad (METS)	BRUCE BRUCE Max HR: 153bpm 82% of max Max BP: 180/90 Reason for Termination: Patic Comments: GOOD EFFORT T NO SIGNIFICANT ST-T CHAN NO ANGINA/ARRHYTHMIAS. IMP:STRESS TEST IS NEGAT ## NEEDS CLINICAL CORRE *** DR.SRIDHAR.L
		Dr. SRIDHAR Med), Oni(Cardio), Venticinal Cardio) CM C No.: 3724	93);;;	144		100	00 	(bpm)	Total Exercise time: 2% of max predicted 186bpm Maximum workload: tion: Patient fatigue EFFORT TOLERANCE.NORMA 3T-T CHANGES SEEN DURING YTHMIAS. IS NEGATIVE FOR INDUCIBI AL CORRELATION FOR FURT ARL MD DM, FICC. CAR
MAC55 010Bsp1 PRINTED IN U.S.A.	4	MD.(Med), Dutcardio), Ficc MD.(Med), Dutcardio), Ficc M.M.C. No.: 37248		180/90		160/90	160/90	150/90	BP (mmHg)	ARI G
355 010Bsp1		10 10		275	5	187	160	122.	RPP (x100)	9:20 10.6METS HR AND BP RE EXERCISE & RE EXERCISE & RE DIOLOGIST ***
										25.0 mm/s 10.0 mm/mV 100hz SPONSE. COVERY
			N.							₩ .



Customer Name	Ramesh Bhooleys	Customer ID	111017300.
Age & Gender	39 ¢ M	Visit Date	12/3/22

Eye Screening

With spectacles / without spectacles (strike out whichever is not applicable)

Observation / Comments:

Daw

A. RAVI V. HALAKATTI M.S. (OPHTH) EYE SUNGEON Ragd. No. 11801